



IPW

Docket: 50126-8

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: SMITH, Rixford  
Serial No.: 10/710,803  
CIP of serial no. 10/270,735  
For: GUN BARREL FOR LAUNCHING PROJECTILES

Group Art Unit: 3641

Examiner: unknown

**INFORMATION DISCLOSURE STATEMENT**

- [XX]1 Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1st Office Action]
- [ ]2 Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- [ ]3 Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
- [ ]4 Petition, Certification & Petition Fee Payment Pursuant to 37 CFR  
1.97(d)  
[before issue fee payment]

Honorable Commissioner of Patents and Trademarks,  
Washington, D.C. 20231,  
U.S.A.

Sir:

The following are submitted in the above-identified application in compliance  
with 37 CFR 1.97 & 1.98

- [XX]5 A list of documents on form PTO-1449. As provided by 37 CFR  
1.98(d), a copy of each identified document has been previously  
submitted in the prior application referenced in the statement under 35  
USC 120.

This paper is submitted in accordance with:

[XX]6 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]

[ ]7 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and

[ ]8 The required certification made in item 11 below; or

[ ]9 The \$200.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

[ ]10 37 CFR §1.97(d): [before issue fee payment]; and

(a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention PETITIONS EXAMINER" and if applicable include batch locator information: e.g. "Allowed Files, Batch \_\_\_\_\_, Date of Allowance \_\_\_\_\_"); and

(b) The required Certification is stated in item 11 below.

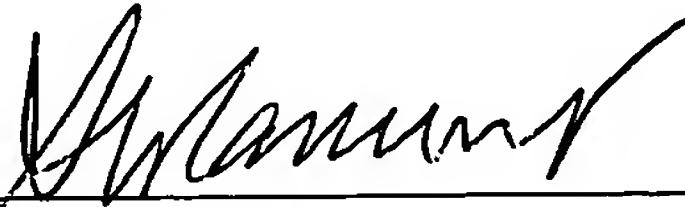
[ ]11 Certification

[ ]12 Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

[ ]13 No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

[XX]14 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 02-2057. An original and two (2) copies of this document are enclosed.

Respectfully submitted,



Susan L Rancourt  
Reg. No. 56,016

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(403-298-4466)

Date: Oct 29, 2004



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

|                        |                |
|------------------------|----------------|
| Application Number     | 10/710,803     |
| Filing Date            | August 4, 2004 |
| First Named Inventor   | SMITH, Rixford |
| Art Unit               | 3641           |
| Examiner Name          | Unknown        |
| Attorney Docket Number | 50126-8        |

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|--|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |  |
|                    |                       | US-5,196,650                             | Mar-23-1993                    | Cytron   |  |
|                    |                       | US-5,217,188                             | Jun-8-1993                     | Thole et al  |  |
|                    |                       | US-6,340,498                             | Jan 22, 2002                   | Kirby et al  |  |
|                    |                       | US-4,344,592                             | Aug-17-1982                    | Constantinescu                                     |  |
|                    |                       | US-6,142,055                             | Nov-7-2000                     | Bogwarth et al                                     |  |
|                    |                       | US-6,094,906                             | Aug-1-2000                     | Singer et al                                       |  |
|                    |                       | US-5,792,981                             | Aug-11-1998                    | Singer et al                                       |  |
|                    |                       | US-6,260,797                             | Jul-17-2001                    | Palmer   |  |
|                    |                       | US-2,935,913                             | May-1960                       | WILSON JOHN L                                      |  |
|                    |                       | US-930,927                               | Aug-1909                       | R. H. Berkstresser                                 |  |
|                    |                       | US-2,845,741                             | Aug-1958                       | DAY HARRY I  |  |
|                    |                       | US-475,071                               | May-1892                       | T. L. Willson                                      |  |
|                    |                       | US-5,915,937                             | Jun-1999                       | Christensen, Roland                                |  |
|                    |                       | US-175,862                               | Apr-1876                       | C. A. King   |  |
|                    |                       | US-4,685,236                             | Aug-1987                       | May, Sam   |  |
|                    |                       | US-5,600,912                             | Feb-1997                       | Smith, David B.                                    |  |
|                    |                       | US-                                      |                                |  |  |
|                    |                       | US-                                      |                                |  |  |
|                    |                       | US-                                      |                                |  |  |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|--|--------------------------------|---|--|----------------|
|                    |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup><br>(if known) |                                |   |  |                |
|                    |                       | EP 0033770   | Aug-1981                       | Janssen et al   |  |                |
|                    |                       |  |                                |   |  |                |
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|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For the Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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|   |        |                               |                |
|---|--------|-------------------------------|----------------|
| Substitute for form 1449/PTO<br><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |        | <b>Complete if Known</b>      |                |
|   |        | <b>Application Number</b>     | 10/710,803     |
|   |        | <b>Filing Date</b>            | August 4, 2004 |
|   |        | <b>First Named Inventor</b>   | SMITH, Rixford |
|   |        | <b>Art Unit</b>               | 3641           |
|   |        | <b>Examiner Name</b>          | Unknown        |
| Sheet   2   | of   3 | <b>Attorney Docket Number</b> | 50126-8        |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |  |                |
|--|-----------------------|--|----------------|
| Examiner Initials*                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|  |                       | <a href="http://www.astronautix.com">www.astronautix.com</a> , Martlet 4   |                |
|  |                       | Pennsylvania Machine Works: Materials Penn Machine, Materials (1 page)   |                |
|  |                       | High Performance Cement<br>High Performance Cement for High Strength and Extreme Durability. Konstantin SOBOLEV  |                |
|  |                       | ABOUT metals Glossary by metalinfo.com   |                |
|  |                       | Space Guns, Space: Space Guns Vectors for May 1998, Greg Goebel  |                |
|  |                       | [3.0] Space Guns<br>v1.0.0/3 of 6/01 <a href="mailto:maroz/gvgoebel@earthlink.net/publicdomain">maroz/gvgoebel@earthlink.net/publicdomain</a>  |                |
|  |                       | Gun Launch for Orbital Vehicles, Dr Bruce P. Dunn<br>Original Commentary posted in Sci.space newsgroups 1995, Revised 2001   |                |
|  |                       | Rocket History, Brief History of Rockets   |                |
|  |                       | How Satellites Work: Teacher Resource<br>How Satellites Work   |                |
|  |                       | Basics of Space Flight Section III. Space Flight Operations<br>Basics of Space Flight Chapter 14. Launch Phase   |                |
|  |                       | SciFiWS article: What goes up stays up: Satellite basics for Sci-Fi writers.<br>What goes up stays up: Satellite basics for Sci-Fi writers by Michael Jackman, April 22, 2001  |                |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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|   |   | Examiner Name          | Unknown        |
| Sheet   | 3 | Attorney Docket Number | 50126-8        |

## **NON PATENT LITERATURE DOCUMENTS**

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

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